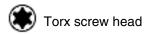
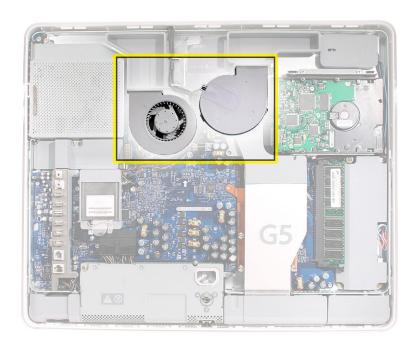
Upper Fans, iMac G5, 20-inch
Replacement Instructions

Follow the instructions in this sheet carefully. Failure to follow these instructions could damage your equipment and void its warranty.

Note: Online instructions are available at http://www.apple.com/support/doityourself/.

Tools Required

- Use the enclosed tool; Phillips #2 screwdriver or Torx-8 depending upon what type of screws are present. **Note:** Torx screws are star-shaped as shown below.

- Screw tray or equivalent to hold the screws

Part Location

Important Things to Know

1. Some iMac G5 models will have silver-colored torx screws securing the fan, others will have brass-colored Phillips #2 screws. Use the appropriate enclosed tool to remove the fan screws.
2. Ground yourself when working on the computer. The procedure will show you how to ground yourself.
3. Keep drinks and other liquids away from the area you are working on the iMac.

Opening the Computer

1. Turn off your computer by choosing Shut Down from the Apple () menu.
2. Disconnect all cables, and unplug the power cord from your computer.

3. Place a soft, clean towel or cloth on the desk or surface. Hold the sides of the computer and slowly lay the computer face down as shown.

4. Locate the three case screws circled below. You may have to lift the metal foot to locate the middle case screw. **Note:** These screws are captive; they are part of the display/bezel assembly and cannot be removed.

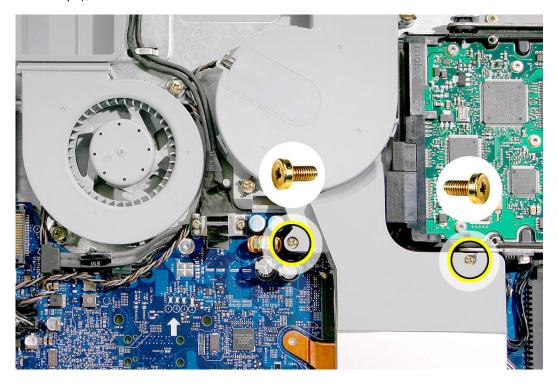
   Using the tool provided, or a Phillips #2 screwdriver, loosen the three captive screws. Turn the screws to the left until they stop turning. **Don’t force the screws once they stop turning**.

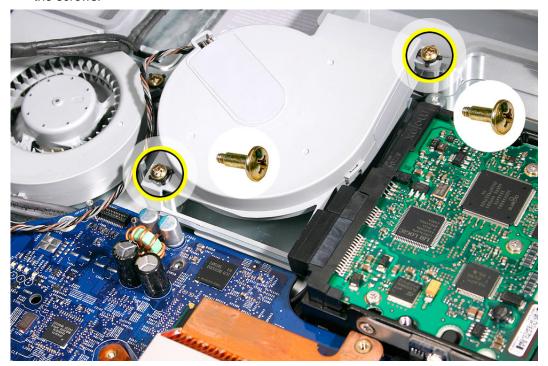
5. Holding the back cover by the metal foot, tilt the cover up and lift it off the computer. Set the back cover aside.

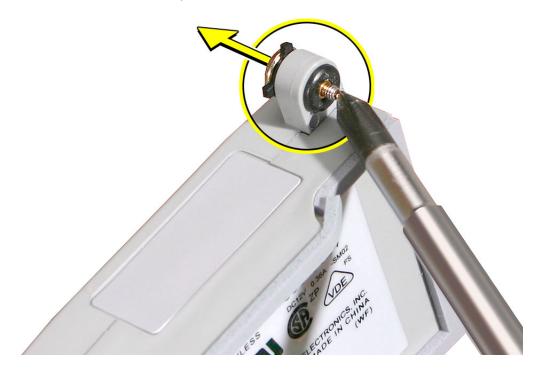
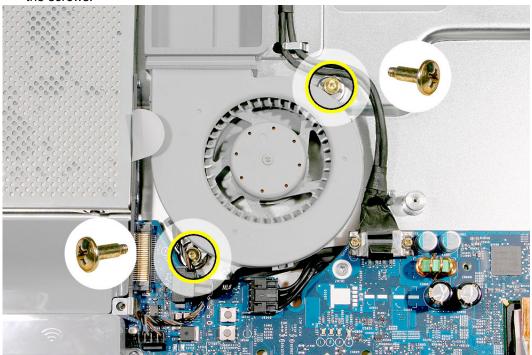
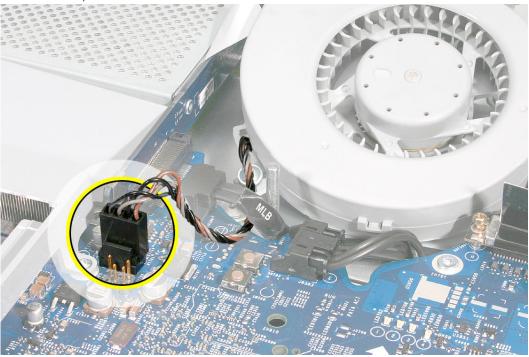
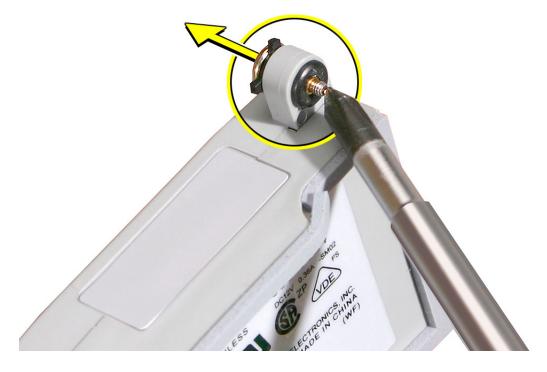
Removing the Upper Fans

1. Ground yourself before touching anything inside the computer. Touch the metal surface (as shown below) on the inside of the computer to discharge any static electricity.

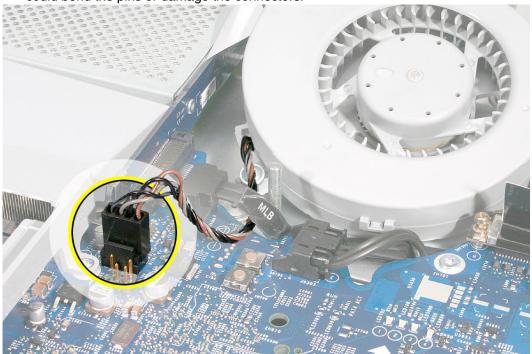
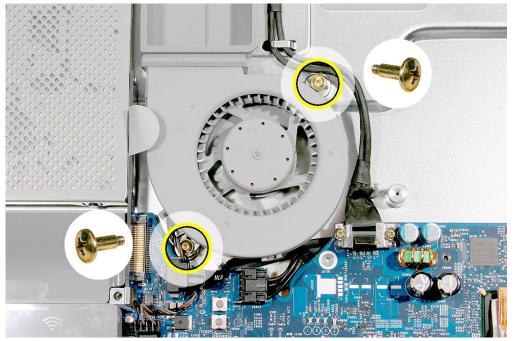
   Warning: Always discharge static electricity before you touch any parts or install any components inside the computer. To avoid generating static electricity, do not walk around the room until you have finished installing the part and closed the computer.

2. Locate the fan duct near the hard drive and fan. Using the tool provided (Torx or Phillips), remove the two fan screws. Lift the fan duct off the board.

3. Using the tool provided, remove the two screws connecting the video cable to the logic board and release the video cable from the metal clips.

4. Using the tool provided (Torx or Phillips), loosen the two fan screws. **Note:** You don't have to remove the screws from the rubber grommets to remove the fan, just loosen the screws.

5. Disconnect the fan cable from the connector on the logic board. Pull on the black connector, not on the wires. Lift the fan out of the computer.

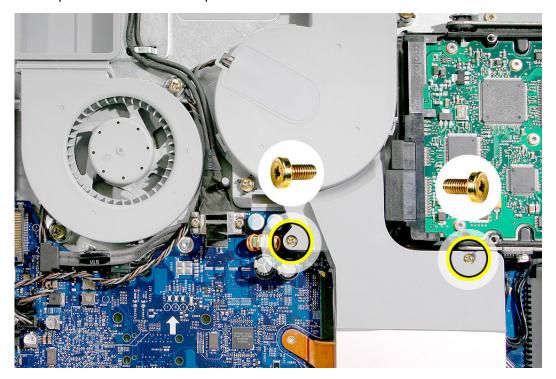
6. Using a screwdriver, push the fan screws out of the grommets and set them aside. Use these screws on the replacement fan.

7. Go on to the next step to remove the second fan.
8. Using the tool provided (Torx or Phillips), loosen the two fan screws. **Note:** You don’t have to remove the screws from the rubber grommets to remove the fan, just loosen the screws.

9. Disconnect the fan cable from the connector on the logic board. Pull on the black connector, not on the cable.

10. Lift the fan out of the computer.
11. Remove the screws from the fan grommets. Using a screwdriver, push the fan screws out of the grommets and set them aside. Use these screws on the replacement fan.

Replacing the Fans

1. Remove the replacement fans from their packaging.

2. Connect the fan cable to the logic board. Route the cable under the black cable as shown. **Note:** The fan cables are keyed and fit one way. Don’t push too hard or you could bend the pins or damage the connectors.

3. Place the screws into the rubber grommets on the replacement fan and tighten the screws.

4. Locate the other replacement fan. Route the fan cable around the side of the fan you just replaced. Connect the fan cable to the logic board.

5. Place the two screws into the grommets on the fan. Lower the fan into the computer, making sure the bottom end of the fan tucks under the logic board. Tighten the two fans screws.

6. With the enclosed tool, replace the two screws connecting the video cable to the logic board. Tuck the video cable under the metal clips.

7. Replace the fan duct and replace the two fan duct screws.

Closing the Computer

1. Replace the cover so that the slots on the top edge of the cover mate with the tabs on the display housing.

2. Lower and press the cover into place until it fits snugly on the computer.

3. Tighten the case screws by turning them to the right.

4. Reconnect the power cord while the computer is face down and then position the computer in the upright position. Turn on the computer.